

**ELECTROSTRICTIVE EFFECT ELEMENT**

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**Applicant:** NIPPON ELECTRIC CO

**Classification:**

- International: H01L41/083; H01L41/09; H01L41/083; H01L41/09;  
(IPC1-7): H01L41/09

- European:

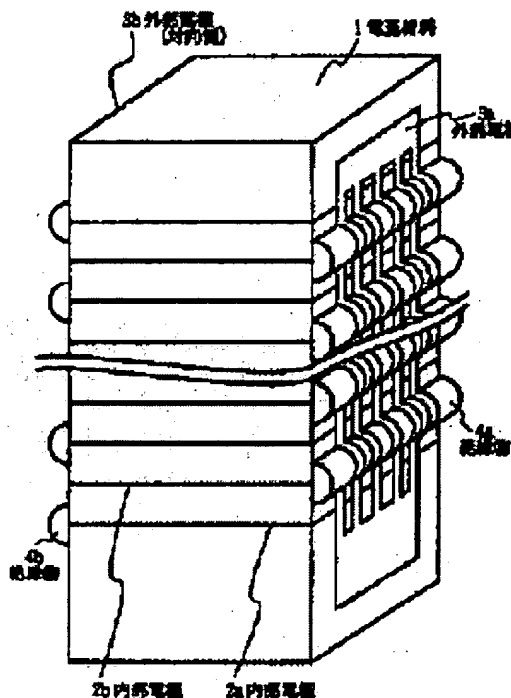
**Application number:** JP19910029736 19910225

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**Abstract of JP4268775**

**PURPOSE:** To protect an insulator against dielectric breakdown by a method wherein an outer electrode is so structured as to be partially fused when it is short-circuited to an inner electrode insulated from it by the insulator concerned. **CONSTITUTION:** Outer electrodes 3a and 3b are formed of thermosetting epoxy resin or the like which contains low melting point metal powder so as to be fully fused by the heat generated by a short-circuit current when insulators 4a and 4b yield to a breakdown voltage. The epoxy resin is printed on the side face of an element through screen printing, which is dried up and set into the outer electrodes 3a and 3b. The outer electrodes 3a and 3b have such a structure that thin wires are disposed at a certain interval and linked together at both their ends. That is, thin wires are connected together in parallel.



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